INDEX TO VOLUME 56, 1944

In addition to names of species and of authors, this index includes references to the following topics: albinism, bathing, bibliography, conservation, courtship, distribution, food, localities by states and countries, longevity, melanism, migration, molt, nesting, new forms noticed, parasites, parasitism, physiology, plumage, polygamy, population, predation, roosting, sex ratio, taxonomy, territory, voice, weight.

Acanthis hornemanni exilipes, 48
Accipiter cooperii, 116, 214
Adipocere, 216–217
Agelaius phoeniceus fortis, 155
Aimophila aestivalis bachmani, 174
Aix sponsa, 170
Alabama, 152–160
Albinism, 41–42, 217
Alca torda, 163
Alcidae, 161–168
Aldous, Clarence M., see Mendall, Howard L.
Allen, Francis H., review by, 52–54
Amadon, Dean. "A Preliminary Life History of the Florida Jay, *Cyanocitta c. coerulescens*" (reviewed), 124
Ammann, George Andrew. Notes on birds of the Upper Peninsula of Michigan, 47–48
Ammospiza maritima sennetti, 156
Anas f. fulvigula, 157
platyrhynchos, 47, 216
Ani, Groove-billed, 154
Anthus spinoletta pacificus, 155
spraguei, 155
Ant-thrush, Panama, Plate 2, opp. p. 65, 119
Aphelocoma coerulescens, 157
Aracari, Collared, 138, 142, 145, 146
Frantzius', 138, 140, 144, 146, 147
Archilochus colubris, 217
Ardea herodias herodias, 26
Asio flammeus, 209–215
wilsonianus, 47, 209–215
Auk, Razor-billed, 163
Aulacorhynchus caeruleogularis, 133–151
prasinus, 65–76
Avocet, 154

Bailey, Alfred M. History of a Mourning Dove nest, 171–172
Baker, Bernard W. Nesting of the American Redstart, 83–90
Baker, E. C. Stuart, Obituary, 175
Barbet, Prong-billed, 138
Barbour, Thomas. "Cuban Ornithology" (reviewed), 123–124
Bathing, 34
Baumgartner, A. Marguerite, and Frederick M. Hawks and Owls in Oklahoma 1939–1942: Food Habits and Population Changes. 209–215
Baumgartner, Frederick M. Unusual records for north central Oklahoma, 118; see also Baumgartner, A. Marguerite, and ———
Beardslee, Clark S. Bonaparte's Gull on the Niagara River and Eastern Lake Erie, 9–14
Bibliography, 56–60, 124–127, 187–191, 224–227
Blackbird, Brewer's, 48
Bluebird, 34, 40
Bond, James. Notes on the Arrow-headed Warbler, 172–173
Brackbill, Hervey. Juvenile Cardinal helping at a nest, 50; The Cardinal's period of dependency, 173–174
Brandt, Herbert. "Alaska Bird Trails" (reviewed), 120–121
Branta canadensis, 220
Brooking, A. M., and J. J. Hickey. Status of the Whooping Crane, 180
Bubo virginianus, 209–215
Buchanan, Forest W. Notes on molting time of loons and grebes, 116
Burleigh, Thomas D., see McAtee, W. L., *et al.*
Buteo albicaudatus hypospodius, 154
jamaicensis, 209–215
j. calurus, 154
j. fuertesi, 154
lagopus, 209–215
lineatus, 209–215
l. texanus, 154
regalis, 209–215
swainsoni, 154, 209–215

Calcarius lapponicus, 46, 156
ornatus, 105–115
Calidris canutus rufus, 117
Campbell, Louis W. Bachman's Sparrow taken in Michigan, 174
Canal Zone, Plate 2, opp. p. 65
Canvas-back, 216
Capella delicata, 170–171
Caracara, Audubon's, 157
Cardinal, 27–44, 50, 173–174
Casmerodius alba egretta, 169
Cassidix mexicanus major, 157
m. prosopidicola, 155
Catbird, 40, 47
Catoptrophorus semipalmatus inornatus, 154
s. semipalmatus, 157
Cepphus grylle, 165–167

Chaetura vauxi, 155
Charadrius n. nivosus, 154
Chiapas, 65–76
Chickadee, Hudsonian, 46, 47, 218
Chicken, Attwater's Prairie, 157
Chondestes grammacus strigatus, 156
Chordeiles acutipennis texensis, 154
minor aserriensis, 154
m. henryi, 154
m. hesperis, 154
m. howelli, 154
m. sennetti, 154
Circus cyaneus, 209–215
hudsonius, 116–117, 118
Clark, Clarence F. Knot in Auglaize County, Ohio, 117; Summer occurrence of Holboell's Grebe in Ohio, 169
Cleaves, Howard H. Panama Antthrush, Plate 2, opp. p. 65
Collias, Nicholas E., review by, 186
Colorado, 171–172
Columbigallina passerina pallescens, 154
Colymbus grisegena holböllii, 116, 169, 206–208
Compsothlypis americana pusilla, 47
Conservation, 178–180, 220–221
Cormorant, Double-crested, 15, 19, 24
Corvus brachyrhynchos, 21, 23, 172
corax, 21, 22, 23
Costa Rica, 133–151
Courtship, 92–93, 106
Cowbird, 33, 129–132, 197
Nevada, 155
Craig, Wallace. "The Song of the Wood Pewee (*Myiochanes virens* Linnaeus)" (reviewed), 52–54
Crane, Florida, 157
Whooping, 180
Crocethia alba, 118
Crosby, John A., see Speirs, J. Murray, *et al.*
Crossbill, Alaskan, 48
Crotophaga s. sulcirostris, 154
Crow, 21, 23, 24, 172
Curlew, Long-billed, 154
Cygnus buccinator, 220
columbianus, 118

Dambach, Charles A. Grazing in National Parks, 178–179; Waterfowl, 179; Conservation for Rural Leaders, 179; Trumpeter Swan, 220; Conservation Education, 221; review by, 185
Davey, Winthrop N. White-crowned Sparrow in Michigan in winter, 218
Dendrocygna bicolor helva, 157
Dendroica aestiva rubiginosa, 155
coronata hooveri, 155
petechia, 172
pharetra, 172–173
tigrina, 47
townsendi, 155
Dicrorhynchus frantzii, 138
Distribution, 46, 117, 118, 169, 172–173, 174, 206, 218
Dove, Inca, 154
Mexican Ground, 154
Western Mourning, 171–172
Dovekie, 165
Dowitcher, Long-billed, 154
Duck, American Eider, 15–26
Florida, 157
Wood, 170
Dumetella carolinensis, 47

Egret, American, 169
Elanus leucurus majusculus, 157
Erolia maritima, 46
Euphagus c. cyanocephalus, 48
Eupoda montana, 154

Falco albigularis, 147
sparverius, 209–215
Falcon, White-throated, 147
Flamingo, Stock's (described), 77–82
Florida, 152–160
Flycatcher, Boat-billed, 149
Scissor-tailed, 152, 156–157
Vermilion, 155
Food and feeding, 33–34, 35, 45, 46, 73–75, 88–89, 97–98, 101, 111, 116, 117, 142–144, 170, 172, 202, 209–215
Formicarius analis panamensis, Plate 2, opp. p. 65, 119
Fratercula arctica, 167, 221
Friedmann, Herbert, review by, 124
Fuertes, Louis Agassiz. "American Gamebirds" (reviewed), 184

Gallus, 216
Gatty, Harold. "The Raft Book" (reviewed), 55–56
Gavia immer, 116
Georgia, 152–160
Geothlypis trichas occidentalis, 155
t. trichas, 173
Goose, Canada, 220
Grackle, Boat-tailed, 157
Mesquite Great-tailed, 155
Graham, Edward H. "Natural Principles of Land Use" (reviewed), 185
Grebe, Holboell's, 116, 169, 206–208
Grosbeak, Blue, 174
Rose-breasted, 91–104
Gross, Alfred O. The Present Status of the American Eider on the Maine Coast, 15–26
Grus americana, 180
canadensis pratensis, 157
proavus, 218
Guillemot, Black 165–167
Guiraca c. caerulea, 174
Gull, Bonaparte's, 9–14
Franklin's, 154

Great Black-backed, 15, 16, 19, 20, 21, 22, 23, 24
Herring, 13, 15, 19, 21, 22, 24, 26
Ring-billed, 13

Harris, R. D. The Chestnut-collared Longspur in Manitoba, 105–115
Hausman, Leon Augustus. "The Illustrated Encyclopedia of American Birds" (reviewed), 184–185
Hawk, American Rough-legged, 209–215
Cooper's, 116, 214
Ferruginous Rough-leg, 209–215
Harris's, 154
Marsh, 116–117, 209–215
Red-shouldered, 154, 209–215
Red-tailed, 154, 209–215
Sennett's White-tailed, 154
Sparrow, 209–215
Swainson's, 154, 209–215
Hedymeles ludovicianus, 91–104
Hellmayr, Charles E., Obituary, 119
Heron, Black-crowned Night, 25
Great Blue, 26
Hickey, J. J., review by, 222–223; see also Brooking, A. M., and ———
Hicks, Lawrence E. The American Egret breeding in Ohio, 169; Blue Grosbeak breeding in West Virginia, 174
Hochbaum, H. Albert. "The Canvasback on a Prairie Marsh" (reviewed), 183–184
Hummingbird, Ruby-throated, 217
Rufous, 155
Hylocichla guttata polionota, 155

Ibis, White-faced Glossy, 157
Icterus bullocki, 155
Ictinia misisippiensis, 3–8
plumbea, 3–8, Vol. frontispiece
Illinois, 220, 221
Indiana, 46
Ivor, H. R. Bird Study and Semi-captive Birds: The Rose-breasted Grosbeak, 91–104

Jamaica, 172–173
Jay, Blue, 30, 32
Florida, 157
Johnson, R. A. Weight Records for Some Atlantic Alcidae, 161–168
Junco, British Columbia, 156
Junco, hyemalis cismontanus, 156

Kendeigh, S. Charles. "Measurement of Bird Populations" (reviewed), 222–223
Kentucky, 46
Kentucky Ornithological Society, 177
Kingbird, Arkansas, 152, 156–157
Kite, Mississippi, 3–8
Plumbeous, 3–8, Vol. frontispiece
White-tailed, 157
Knot, 117
Kumlien, Thure, 216–217

Lack, David. "Ecological Aspects of Species-formation in Passerine Birds" (reviewed), 223–224
Lanius ludovicianus excubitorides, 155
Lark, Texas Horned, 157
Larus argentatus, 13
a. smithsonianus, 15, 19, 21, 22, 24, 26
delawarensis, 13
marinus, 15, 16, 19, 20, 21, 22, 23, 24
philadelphia, 9–14
pipixcan, 154
Laskey, Amelia R. A Study of the Cardinal in Tennessee, 27–44
Leopold, A. Starker. Cooper's Hawk observed catching a bat, 116
Lewis, Harrison F. Machias Seal Island Bird Sanctuary, 221
Limnodromus griseus scolopaceus, 154
Longevity, 39–40
Longspur, Alaska 156
Chestnut-collared, 105–115
Lapland, 46
Loon, Common, 116
Louisiana, 152–160
Lowery, George H. Jr., see McAtee, W. L., *et al.*
Loxia curvirostra minor, 48

McAtee, W. L., Thomas D. Burleigh, George H. Lowery, Jr., and Herbert L. Stoddard. Eastward Migration through the Gulf States, 152–160
Magpie, 118
Maine, 15–26
Mallard, 47, 216
Manitoba, 105–115
Mayfield, Harold. First Hudsonian Chickadee for Ohio, 46
Mayr, Ernst, biog. sketch of, 229; review by, 223–224
Meadowlark, Rio Grande, 155
Megarhynchus pitangua, 149
Melanism, 42
Melanitta deglandi, 118
Melospiza melodia, 129–132
m. juddi, 156
Mendall, Howard L., and Clarence M. Aldous. "The Ecology and Management of the American Woodcock" (reviewed), 121–123
Mengel, Robert M. Golden Plover and Lapland Longspurs in southern Indiana, 46
Mexico, 65–76, 77–82, 152
Michigan, 46, 47–48, 83–90, 172, 174, 193–205, 218

Migration, 9–14, 68–69, 101–102, 105, 152–160, 193
Miller, Loye. A Pliocene Flamingo from Mexico, 77–82
Minnesota, 218
Mississippi, 152–160
Missouri, 116
Mockingbird, 30, 34, 40
Molothrus ater, 33, 129–132
ater artemisiae, 155
Molt, 9–14, 101, 114, 116
Montana, 108, 220
Murray, J. J. An unusual song from a House Wren, 49
Murre, Atlantic, 162, 163–165
Muscivora forficata, 152, 156–157
Musgrove, Jack W., and Mary R. "Waterfowl in Iowa" (reviewed), 55
Myiochanes lugubris, 148, 149

Nelson, A. L. A mouse eaten by a Wood Duck, 170
Nesting, 31–37, 69–73, 83–90, 91–104, 118, 133–151, 171–172, 195–202, 206–208; Plate 2, opp. p. 65
New Brunswick, 18, 221
New forms noticed, Colaptes cafer sedentarius, 225
Colinus leucopogon incanus, 188
Cyanocitta stelleri purpurea, 187
Lagopus mutus gabrielsoni, 188
Leucosticte tephrocotis umbrina, 188
Lophortyx douglasii impedita, 188
Lophortyx douglasii languens, 188
Lophortyx douglasii teres, 188
Lophortyx gambelii ignoscens, 188
Miohierax stocki, 227
Neochloe brevipennis browni, 125
Otocoris alpestris baileyi, 57
Passerella iliaca olivacea, 187
Salpinctes obsoletus tenuirostris, 57
Thryomanes bewicki hurleyi, 125
Troglodytes rufociliatus chiapensis, 57
New York, 9–14
Nice, Margaret M., review by, 183–184
Nighthawk, Cherrie's, 154
Howell's, 154
Pacific, 154
Sennett's, 154
Texas, 154
Western, 154
Noble, G. K., and M. Wurm. "The Social Behavior of the Laughing Gull" (reviewed), 186
Norris, Russell T. Notes on a Cowbird Parasitizing a Song Sparrow, 129–132
North, George W., see Speirs, J. Murray, *et al.*
Numenius americanus, 154
Nuthatch, Brown-headed, 157
Nycticorax nycticorax hoactli, 25
Nyroca valisineria, 216

Odum, Eugene P. Circulatory congestion as a possible factor regulating incubation behavior, 48–49
Ohio, 30, 45, 46, 116, 117, 169
Oklahoma, 3, 30, 118, 209–215
Ontario, 9–14, 91–104, 206–208, 217
Oporornis agilis, 48
Oregon, 220
Oreoscoptes montanus, 155
Oriole, Bullock's, 155
Orchard, 34
Osprey, 21, 22
Otocoris alpestris giraudi, 157
Otus asio, 209–215
Oven-bird, 173
Gray, 155
Owl, Barn, 209–215
Barred, 209–215
Florida Burrowing, 157
Great Horned, 209–215
Long-eared, 47, 209–215
Screech, 209–215
Short-eared, 209–215
Western Burrowing, 154

Pandion haliaetus, 21, 22
Parabuteo unicinctus harrisi, 154
Parasites, 40, 162–163
Parasitism, 33, 129–132, 197
Parus h. hudsonicus, 46, 47, 218
Passerculus sandwichensis anthinus, 155
s. nevadensis, 156
Pelecanus erythrorhynchos, 154
Pelican, White, 154
Penthestes, see Parus
Petrochelidon a. albifrons, 47
Pettingill, Olin Sewall, Jr. Hudsonian Chickadee in southern Minnesota, 218; review by, 121–123
Pewee, Costa Rican Wood, 148, 149
Phalacrocorax a. auritus, 15, 19, 24
Phoeniconaias, 81
Phoenicoparrus, 78, 81
Phoenicophilus poliocephalus coryi, 173
Phoenicopterus antiquorum, 78–81
chilensis, 78–81
copei, 79–80, 82
ruber, 78–81
stocki, 77–82
Physiology, 48–49
Pica pica hudsonia, 118
Pipit, Pacific, 155
Sprague's, 155
Piranga ludoviciana, 155
Pirnie, Miles D., review by, 55
Plautus alle, 165
Plegadis guarauna, 157
Plover, Golden, 46
Mountain, 154
Western Snowy, 154
Plumage, 4–7, 13–14, 114

Pluvialis dominica, 46
Polyborus cheriway auduboni, 157
Polygamy, 116–117
Pooecetes gramineus confinis, 156
Population, 15–26, 180, 209–215, 220
Predation, 15–26, 100, 116, 147–148, 209–215
Pteroglossus frantzii, 138, 140, 142, 144, 146, 147
torquatus, 138, 142, 145, 146
Puffin, Atlantic, 167, 221
Pyrocephalus rubinus mexicanus, 155

Quebec, 161–168
Querquedula c. cyanoptera, 154

Ramphastos brevicarinatus, 147
swainsonii, 147, 148–149
Rapp, William F. Jr. The type of *Grus proavus*, 218
Raven, 21, 22, 23
Recurvirostra americana, 154
Redpoll, Hoary, 48
Redstart, American, 83–90
Red-wing, Thick-billed, 155
Richmondena cardinalis, 27–44, 50, 173–174
Ritter, William E., Obituary, 119
Robin, American, 30, 118
Roosting, 100, 146–147, 202–203
Root, Oscar M., biog. sketch of, 128

Sanderling, 118
Sandpiper, Purple, 46
Sarcoramphus papa, 158
Scardafella inca inca, 154
Schantz, William Edward. All-day record of an incubating Robin, 118
Schorger, A. W. An escaped Magpie at Madison, Wisconsin, 118; Avian adipocere, 216–217
Sclater, William Lutley. "Aves" (reviewed), 187; Obituary, 175
Scoter, White-winged, 118
Seiurus aurocapillus, 173
a. cinereus, 155
noveboracensis limnaeus, 155
Selasphorus rufus, 155
Setophaga ruticilla, 83–90
Sex ratio, 170–171
Sheppard, R. W. An albino hummingbird, 217
Shrike, White-rumped, 155
Sitta pusilla, 157
Skutch, Alexander F. Life History of the Blue-throated Toucanet, 133–151
Snipe, Wilson's, 170–171
Somateria mollissima dresseri, 15–26
Sparrow, Bachman's, 174
Chipping, 30, 193–205
Field, 198
Gambel's, 156
Golden-crowned, 156
Harris, 30
House, 30
Savannah, 155, 156
Song, 130–132, 156
Texas Seaside, 156
Western Lark, 156
Western Vesper, 156
White-crowned, 218
Speirs, J. Murray, George W. North, and John A. Crosby. Holboell's Grebe Nesting in Southern Ontario, 206–208
Speotyto cunicularia floridana, 157
c. hypugaea, 154
Sperry, C. C., and Clarence Cottam. The Greater and Lesser Yellowlegs as fish eaters, 45
Spizella p. passerina, 193–205
pusilla, 198
Sterna forsteri, 118
Stoddard, Herbert L., see McAtee, W. L., *et al.*
Stoner, Dayton, Obituary, 119
Street, J. Fletcher, Obituary, 175
Strix varia, 209–215
Sturnella magna hoopesi, 155
Sutton, George Miksch. The Kites of the Genus Ictinia, 3–8; Vol. frontispiece; review by, 120–121
Swallow, Northern Cliff, 47
Swan, Trumpeter, 220
Whistling, 118
Swanson, Gustav. Canada Goose Hunting at Horseshoe Lake, 220
Swift, Vaux's, 155

Tamaulipas, 3
Tanager, Gray-crowned Palm, 173
Western, 155
Taxonomy, 3–8
Teal, Cinnamon, 154
Tennessee, 27–44
Tennessee Ornithological Society, 128
Tern, Forster's, 118
Territory, 29–31, 83–84, 91–92, 99–100, 106, 193–194
Texas, 152
Thrasher, Brown, 40, 155
Palmer's, 155
Sage, 155
Thrush, Cabanis', 143, 148
Mono Hermit, 155
Totanus flavipes, 45
melanoleucus, 45
Toucan, Rainbow-billed, 147
Swainson's, 147, 148–149
Toucanet, Blue-throated, 133–151
Emerald, 65–76
Towhee, 30, 40
Townsend, Charles H., Obituary, 51
Toxostoma curvirostre palmeri, 155
rufa longicauda, 155

Trautman, Milton B. An Ohio specimen of the Purple Sandpiper, 46; Flight of a hunting Marsh Hawk, 117; biog. sketch of, 229
Tree-duck, Fulvous, 157
Troglodytes aëdon, 49
Turdus migratorius, 30, 118
plebejus, 143, 148
Tympanuchus cupido attwateri, 157
Tyrannus verticalis, 152, 156–157
Tyto alba, 209–215

Uria aalge, 162, 163–165

Van Tyne, Josselyn. The sex ratio in Wilson's Snipe, 170–171; reviews by, 55–56, 184–185, 187
Vireo atricapillus, 118
s. solitarius, 47
Vireo, Black-capped, 118
Blue-headed, 47
Virginia, 49
Voice, 27–29, 49, 73, 84–85, 91–93, 95, 113–114, 134, 172–173
Vulture, Painted, 158

Wagner, Helmuth O. Notes on the Life History of the Emerald Toucanet, 65–76
Walkinshaw, Lawrence H. Crow feeding from the surface of water, 172; The Eastern Chipping Sparrow in Michigan, 193–205; biog. sketch of, 64
Warbler, Alaska Yellow, 155
Arrow-headed, 172–173
Cape May, 47
Connecticut, 48
Golden, 172
Hoover's, 155
Northern Parula, 47
Northern Pileolated, 155
Townsend's, 155
Washington, 116–117
Water-thrush, British Columbia, 155
Weight, 40, 90, 161–168, 201
West Indies, 152–160
West Virginia, 174
Wetmore, Alexander, review by, 123–124
Willet, Eastern, 157
Western, 154
Wilson Ornithological Club, Library, 181–182; Membership Roll, 228–254; Reports, 61–63, 177, 182, 254
Wilsonia pusilla pileolata, 155
Wisconsin, 118, 216–217
Witherby, H. F., Obituary, 51
Wren, House, 49
Wurm, M., see Noble, G. K.

Yellow-legs, Greater, 45
Lesser, 45
Yellow-throat, 173
Western, 155
Yocom, Charles F. Evidence of polygamy among the Marsh Hawks, 116–117

Zenaidura macroura marginella, 171–172
Zonotrichia coronata, 156
leucophrys, 218
l. gambeli, 156

NEW NAME PROPOSED IN VOLUME 56: Phoenicopterus ***stocki***, 77